

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 02/05761

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B01J37/02 C01G21/02 C01C1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 B01J C01B C01C C07C C06D C02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 314 225 A (KNAPSACK AG) 18 April 1973 (1973-04-18) page 1, line 12 - line 58 example 1 ---	1-29
Y	GB 1 266 623 A (KNAPSACK AG) 15 March 1972 (1972-03-15) example 2 ---	1-29
Y	GB 1 250 265 A (KNAPSACK AG) 20 October 1971 (1971-10-20) examples 1,5 ---	1-29
Y	EP 0 672 453 A (STANDARD OIL CO OHIO) 20 September 1995 (1995-09-20) cited in the application the whole document --- -/-	1-29

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search:

15 May 2003

Date of mailing of the international search report

23. 05. 2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo n;
 Fax: (+31-70) 340-3016

Authorized office:

Zuurdeeg, B

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 02/05761

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 31 19 707 A (KRAFTWERK UNION AG) 2 December 1982 (1982-12-02) page 4, line 17 - line 24 page 5, line 8 - line 12 -----	30-33
X	US 4 801 573 A (RIIS TRYGVE ET AL) 31 January 1989 (1989-01-31) column 4, line 10 - line 44 column 4, line 50 - line 53 column 5, line 45 - line 54 -----	34-38

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 02/05761

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 1314225	A	18-04-1973	DE 1945528 A1	01-04-1971
			BE 755804 A1	08-03-1971
			ES 383491 A1	16-02-1973
			FR 2061127 A5	18-06-1971
			NL 7013197 A	11-03-1971
GB 1266623	A	15-03-1972	DE 1793474 A1	27-01-1972
			AT 289050 B	25-03-1971
			BE 739323 A	24-03-1970
			BG 19128 A3	30-04-1975
			CS 153531 B2	25-02-1974
			ES 371464 A1	16-10-1971
			FI 51340 B	31-08-1976
			FR 2030041 A5	30-10-1970
			NL 6914274 A	26-03-1970
			RO 56842 A1	01-07-1974
			SE 349018 B	18-09-1972
			SU 383275 A3	25-05-1973
			YU 237169 A ,B	31-12-1975
			ZA 6906300 A	25-08-1971
GB 1250265	A	20-10-1971	DE 1808610 A1	11-06-1970
			AT 289742 B	10-05-1971
			BE 741636 A	13-05-1970
			BG 24794 A3	12-05-1978
			CH 517692 A	15-01-1972
			CS 164835 B2	28-11-1975
			ES 373419 A1	16-12-1971
			FR 2024859 A5	04-09-1970
			HU 171286 B	28-12-1977
			JP 51020485 B	25-06-1976
			LU 59802 A1	13-05-1970
			NL 6916848 A	15-05-1970
			NO 132864 B	13-10-1975
			RO 59690 A1	15-06-1976
			SE 371433 B	18-11-1974
EP 0672453	A	20-09-1995	US 5466652 A	14-11-1995
			US 5591688 A	07-01-1997
			BR 9500736 A	31-10-1995
			CA 2143042 A1	23-08-1995
			CN 1112460 A ,B	29-11-1995
			EP 0672453 A2	20-09-1995
			EP 0949000 A1	13-10-1999
			FI 950819 A	23-08-1995
			JP 8038900 A	13-02-1996
			NO 950645 A	23-08-1995
			NZ 270546 A	20-12-1996
			RU 2149055 C1	20-05-2000
			SG 47363 A1	17-04-1998
			US 2001018401 A1	30-08-2001
			US 2002028966 A1	07-03-2002
			ZA 9501441 A	21-08-1996
DE 3119707	A	02-12-1982	DE 3119707 A1	02-12-1982
US 4801573	A	31-01-1989	AT 92454 T	15-08-1993
			AU 2544688 A	23-05-1989

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 02/05761

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4801573	A	AU 616700 B2	07-11-1991
		BR 8807760 A	07-08-1990
		CA 1329190 A1	03-05-1994
		CN 1033755 A ,B	12-07-1989
		CN 1058010 A ,B	22-01-1992
		DE 3882886 D1	09-09-1993
		DE 3882886 T2	24-03-1994
		DK 586488 A	24-04-1989
		EP 0313375 A2	26-04-1989
		FI 92911 B	14-10-1994
		JP 3502067 T	16-05-1991
		LT 1530 A ,B	25-09-1995
		LV 5588 A3	10-05-1994
		NO 884684 A ,B,	24-04-1989
		WO 8903725 A1	05-05-1989
		RU 2017517 C1	15-08-1994
		US 4857559 A	15-08-1989
		US 4880763 A	14-11-1989